

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,057,990 B1  
APPLICATION NO. : 09/515101  
DATED : June 6, 2006  
INVENTOR(S) : Jin-gyo Seo

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First Page Column 2 Item (56) (Other Publications), Line 1, after "1996," insert --no. 12,--.

First Page Column 2 Item (57) (Abstract), Line 12, change "subdivided" to --sub-divided--.

Column 9, Line 16, after "laser" insert --light--.

Column 9, Line 24, after "produce" delete "a".

Column 10, Line 33, after "laser" insert --light--.

Column 10, Line 57, after "laser" insert --light--.

Column 11, Line 18, after "erase" insert --read--.

Column 11, Line 24, change "though" to --through--.

Column 11, Line 40, after "emitting" delete "laser".

Column 11, Line 46, change "refraction" to --reference--.

Column 11, Line 61, after "the" change "synchronism" to --synchronization--.

Column 12, Line 9, change "synchronism" to --synchronization--.

Column 12, Line 41, after "emitting" delete "laser".

Column 12, Line 62, after "in" change "synchronization" to --synchronism--.

Column 13, Line 8, after "for" insert --the--.

Column 13, Line 19, change "detached" to --detected--.

Column 13, Line 21, change "detached" to --detected--.

Column 13, Line 34, after "emitting" delete "laser".

Column 13, Line 52, after "in" change "synchronization" to --synchronism--.

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Column 14, Line 21, after "emitting" delete "laser".

Column 14, Line 27 change "comprising:" to --comprises:--.

Column 14, Line 37, change "detached" to --detected--.

Column 14, Line 39, change "detached" to --detected--.

Column 14, Line 39, change "read" to --record--.

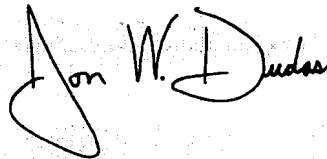
Column 15, Line 13, after "for" insert --the--.

Column 15, line 17, change "disc;" to --disc,--.

Column 16, Line 10, change "disk" to --disc--.

Signed and Sealed this

Fifteenth Day of May, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas", is written over a faint, circular embossed seal of the United States Patent and Trademark Office.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*